

From: "Hale, Elly" <Hale.Elly@epa.gov>  
To: "Kerns, Kristen M CIV USARMY CENWS (USA)" <Kristen.Kerns@usace.army.mil>  
"Hoffman, Erika" <Hoffman.Erika@epa.gov>  
Date: 8/13/2020 1:07:57 PM  
Subject: RE: Preliminary unvalidated Tier 1 PDI data

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Good eye.

I'm seeing fewer hits than I expected, but those out there tend to be PCBs. Location-wise, I'm seeing hits next to BP2, a lot of problems next to the former Rhone Poulenc facility, some whoppers near RM3.8 (between and south of the AC pilot intertidal plots), and some hits on the east shore – including between Norfolk and the shore. There are two or three RAL exceedances near the turning basin. A few cPAH hits.

I found it easy to use CTRL-F to search for locations on QAPP maps – and these are the sample numbers I took down.

Segment 1 - 123, 130, 133, 135, 155

Segment 2 - 226, 243, 244, [257 \(PCB @ 3,380 ppb!\)](#), 266

Segment 3 – 304, 306, 309, 312, 316 , 379

Segment 4 – 401, 411, 415, 416

I didn't write them all down, including a few oddballs: mercury, phenol, a phthalate



**Elly Hale**

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**From:** Kerns, Kristen M CIV USARMY CENWS (USA) <Kristen.Kerns@usace.army.mil>  
**Sent:** Thursday, August 13, 2020 11:00 AM  
**To:** Hale, Elly <Hale.Elly@epa.gov>; Hoffman, Erika <Hoffman.Erika@epa.gov>  
**Subject:** RE: Preliminary unvalidated Tier 1 PDI data

Was too curious and already started that!

Not a ton of exceedances overall. Most seem to be for benthic PAHs. A few PCBs, and 2 dioxin exceedances with very minor exceedance factors (1.1 and 1.4). A few spicy exceedance factors of 17 and 20 for PCBs in two surface samples (haven't looked into the location yet).

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**From:** Hale, Elly [<mailto:Hale.Elly@epa.gov>]  
**Sent:** Thursday, August 13, 2020 10:14 AM  
**To:** Kerns, Kristen M CIV USARMY CENWS (USA) <[Kristen.Kerns@usace.army.mil](mailto:Kristen.Kerns@usace.army.mil)>; Hoffman, Erika <[Hoffman.Erika@epa.gov](mailto:Hoffman.Erika@epa.gov)>  
**Subject:** [Non-DoD Source] FW: Preliminary unvalidated Tier 1 PDI data

Hi, all – I know you have this already, since you're on the To: line for the original message.

Kristen, if you want to scan the RAL exceedances for curiosity's sake, get the lay of the land, and note whether there are any surprises, that would be great. If you think it isn't going to be helpful to just scan, don't do it!

Kathy's schedule of events looks fine to me. Erika leaves tomorrow. I'm guessing she'll be running to the finish line, but if Kristen DOES scan the data file and sees any patterns worth noting, we could have a quick chat.

For example:

Are there a lot of RAL exceedances? 50% or fewer? Are there any upstream of the TB?

Are there RAL exceedances for dioxins?

Is the max concentration of PCBs or cPAHs higher than what was in the FS?

At places with marginal exceedances, does a spot check suggest significant reductions in PCB levels?

Near pink blobs, are we seeing RAL exceedances outside the known problem area? (RM3.8, or next to Rhone Poulenc, or between Norfolk and the shore, next to SPM?).

The minus 15-17' in the navigation channel: are there RAL exceedances there? High concs?

Is it possible to see a pattern like "0-45 and 0-60 cm interval concentrations seem higher than 0-10 cm interval"



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**From:** Kathy Godtfredsen <[KathyG@windwardenv.com](mailto:KathyG@windwardenv.com)>

**Sent:** Thursday, August 13, 2020 9:47 AM

**To:** Hale, Elly <[Hale.Elly@epa.gov](mailto:Hale.Elly@epa.gov)>

**Cc:** Tom Wang ([twang@anchorqea.com](mailto:twang@anchorqea.com)) <[twang@anchorqea.com](mailto:twang@anchorqea.com)>; Susan McGroddy <[SusanM@windwardenv.com](mailto:SusanM@windwardenv.com)>; Kim Goffman <[KimG@windwardenv.com](mailto:KimG@windwardenv.com)>; Craig Hanson <[CraigH@windwardenv.com](mailto:CraigH@windwardenv.com)>; Hoffman, Erika <[Hoffman.Erika@epa.gov](mailto:Hoffman.Erika@epa.gov)>; Kerns, Kristen NWS ([Kristen.Kerns@usace.army.mil](mailto:Kristen.Kerns@usace.army.mil)) <[Kristen.Kerns@usace.army.mil](mailto:Kristen.Kerns@usace.army.mil)>; [allison.crowley@seattle.gov](mailto:allison.crowley@seattle.gov); [afitzpatrick@geosyntec.com](mailto:afitzpatrick@geosyntec.com); [dave.schuchardt@seattle.gov](mailto:dave.schuchardt@seattle.gov); [debra.williston@kingcounty.gov](mailto:debra.williston@kingcounty.gov); [florer.j@portseattle.org](mailto:florer.j@portseattle.org); [jeff.stern@kingcounty.gov](mailto:jeff.stern@kingcounty.gov); Joe Flaherty - Boeing ([Joseph.L.Flaherty@boeing.com](mailto:Joseph.L.Flaherty@boeing.com)) <[Joseph.L.Flaherty@boeing.com](mailto:Joseph.L.Flaherty@boeing.com)>; [bahnick.k@portseattle.org](mailto:bahnick.k@portseattle.org); [kathyg@windwardenv.com](mailto:kathyg@windwardenv.com); [lindsey.e.mahrt@boeing.com](mailto:lindsey.e.mahrt@boeing.com); [pete.rude@seattle.gov](mailto:pete.rude@seattle.gov)

**Subject:** Preliminary unvalidated Tier 1 PDI data

Hi Elly – Attached is an Excel spreadsheet containing the preliminary unvalidated Tier 1 PDI sediment data. This spreadsheet also contains a RAL screen so you can filter to see which samples have RAL exceedances of COCs. Feel free to reach out to Susie or me; we'd be happy to give you a quick overview of the spreadsheet.

Next Monday, August 17, we will email you DRAFT Tier 2 decision tables (with red and green cells demarking their RAL exceedance status) and maps showing the locations of RAL exceedances. The Tier 2 decision tables will be used to document recommendations from LDWG and EPA. The version to be sent to you on Monday, August 17, will not have any recommendations. You can distribute these DRAFT working versions to those who will be attending the August 31 and September meetings if you think it would be helpful. They will be undergoing QC over the coming weeks.

Next Friday (August 21), a version of the tables with LDWG recommendations will be emailed and FedExed to you and your team (for a Monday, August 24, receipt). Please let us know your mailing addresses if you haven't already. That package will contain hard copy tables and maps. This schedule will enable a one-week review before we meet on August 31. We will also see you on August 26, when we can answer any general questions you may have.

Please let me know if you have any questions. I'll be out tomorrow but would be happy to chat today or Monday.

Thanks!

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